

Aero Design Ltd.

Work Order Control Sheet

Work Order#: 2017-191 Date Opened: 1 December 2017 Title: Fabrication

Aircraft OEM: Eurocopter Aircraft Model: AS350/AS355 Product Type: Cabin Step Product Model: Short Quantity: 8

Work Order Contents

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification (Original)
Time Sheet (R&D)
Notes

Initial or N/A

CB/JR
N/A
CB/JR
CB/JR
N/A
N/A JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

CB/JC N/A JC
CB/JC N/A JC

Drawing List

Drawing #	Rev #	Description	Initial or N/A
82715	2	Short Step Assembly	CB/JR
82734	1	Channel Bend Dims.	CB/JR

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

17/4
N/A
N/A
N/A

Short/Long JC

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts tracking (White) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
JC
N/A
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A

Work performed by:

Print: Jason Rekre

ICC / Dual Inspection performed by:

Print: J. CLARKE

Work Order closed by:

Print: J. CLARKE

Approved Manufacturing Facility 73-04

Sign: [Signature]

Sign: [Signature]

Sign: [Signature]

Form 20 D.03

SCA: AD01

SCA: AD02

SCA: AD02

Date: 26 Jun 18

Date: 26 JUNE 2018

Date: 26 JUNE 2018

Rev. Original 23 Sep 2014

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0467	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
1.	Side Plates	82734-01	2	N/A	New	
2.	Channel	82734-02	1			
12. Remarks Assembled in accordance with Dwg. 82715 Rev. 2						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jason Rekve - AD 01		13e. Date (dd/mm/yyyy) 11 Dec 2017		14d. Name		14e. Date (dd/mm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

Firehawk

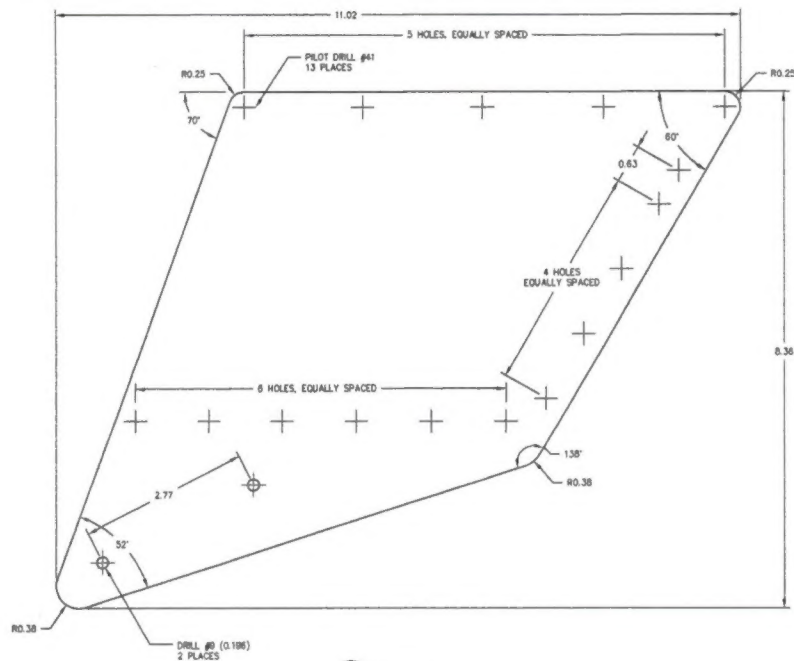


Aero Design **Parts Distribution Sheet**

AS350 STEPS

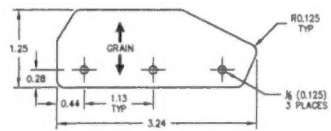
WO# 2017-191

From PO or WO #	Quantity	Description	Part Number	For WO #
2016-110	8	STEP EXTRUSION (SHORT)	78240	
		w/caps + Bushing		
10009	9 @ 37 7/8	STEP EXTRUSION (SHORT)	78240	
10009	4 @ 58 1/2	STEP EXTRUSION (LONG)	78240	
17086	42	SHEET - 0.050 6061-T6	82734-01	
17086	21	CHANNEL - 0.050 6061-T6	82734-02	
17086	42	ANGLE - 0.050 6061-T6	82734-05	
16034	21	CONE	82734-04	
17080	28	CAP - 0.050 6061-T6	82734-03	
14092 (S) / 2018-22(S)	9	BUSHING	82715-03	
4 DC				
5082	A/R	WELDING ROD	ER4043	
17115		CHERRY MAX RIVET	CR3213-4-02	
17039		RIVET	MS20470AD4-5	
17110	2	Short steps powdered Wht.		
	2	Ladder frames powdered Wht.		2016-110 JC
17114	3	Short steps powdered Wht.		
	3	Ladder frames powdered Wht.		2016-110 JC
17117	2	Short steps powdered Blk.		
	1	Short steps powdered Wht.		
	2	Ladder frames powdered Blk.		2016-110 JC
	2	Ladder frames powdered Wht.		2016-110 JC
18004	1	Short step powdered Blk.		
	1	Ladder frame powdered Blk.		2016-110 JC
	1	Long step powdered Blk.		
18022	2	Short steps powdered Wht.		
	2	Ladder frames powdered Wht.		2018-24 JC
18026	2	Short steps powdered Wht.		
JC	2	Ladder frames powdered Wht.		2018-24 JC
18037	2	Long steps powdered Wht.		
18047	2	Short steps powdered Wht (custom)		
	1	Short steps powdered Wht		
	3	Ladder frames powdered (1 Wht / 2 custom white)		2018-24 JC

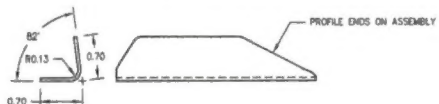


01 SHEET

USE DRAWING AS TEMPLATE FOR FABRICATION

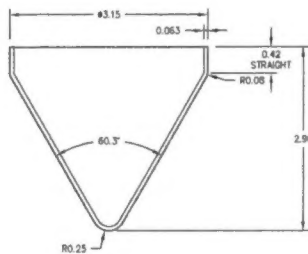


FLAT PATTERN
USE DRAWING AS TEMPLATE



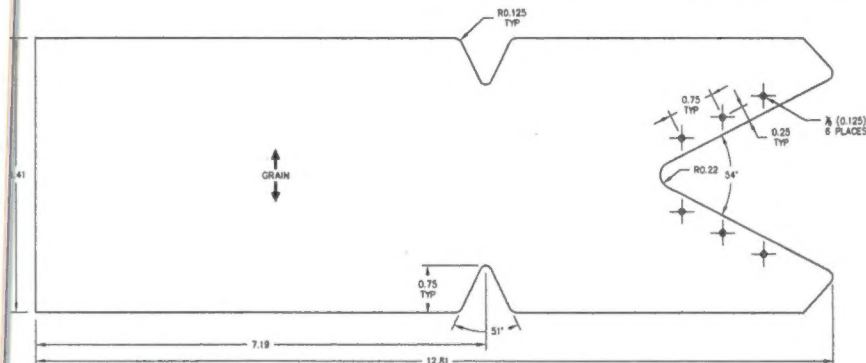
05 ANGLE

1 LEFT AND 1 RIGHT REQUIRED

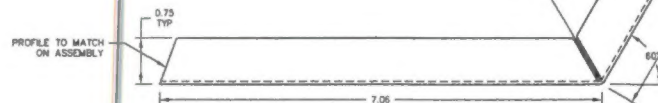


04 CONE

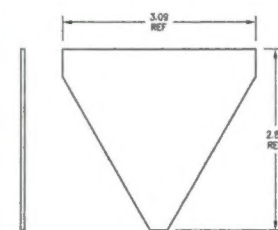
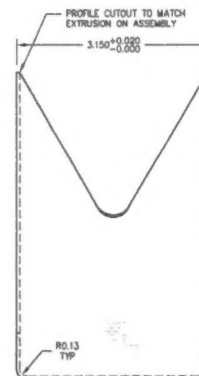
PROFILE TO MATCH STEP EXTRUSION



FLAT PATTERN
USE DRAWING AS TEMPLATE



02 CHANNEL



03 CAP

PROFILE TO FIT 0.03 SMALLER THAN
OUTSIDE OF EXTRUSION 78240

REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED; FLAT PATTERNS FOR 02 AND 05 ADDED	BUC	30/07/2014
	CAP (03) CHANGED; BEND RADIUS UPDATED		

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. THOROUGHLY DEGREASE, ALODINE AND PRIME PARTS 01, 02, AND 05 PRIOR TO ASSEMBLY IF ASSEMBLY IS TO BE PAINTED.

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
2	82734-05	05	ANGLE	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
1	82734-04	04	CONE	6061-T6 ALUMINUM	QQ-A-250/B	3.25 ROD
1	82734-03	03	CAP	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
1	82734-02	02	CHANNEL	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET
2	82734-01	01	SHEET	6061-T6 ALUMINUM	QQ-A-250/11	0.050 SHEET

LIST OF MATERIALS			
APPROVALS	DATE	AERO DESIGN LTD.	
DRAWN: JEFF CLARKE	16 MAR 2010	8888A MALASPINA ROAD	
CHECKED: E. BURGOIN		POWELL RIVER, BC, CANADA, V8A 0G3	
		TEL: 604.488.5276 www.aerodesign.ca	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:		EUROCOPTER AS350 & AS355 SERIE5 FIXED CABIN STEP PARTS FABRICATION	
DECIMALS		SCALE 1 : 1	DWG. SIZE
X.XXX ±0.010		A1 82734	
X.XX ±0.03		1	
X.X ±0.1		SHEET 1 OF 1	

Aero Design

Parts Distribution Sheet

Description: AS350 Short Step Fabrication

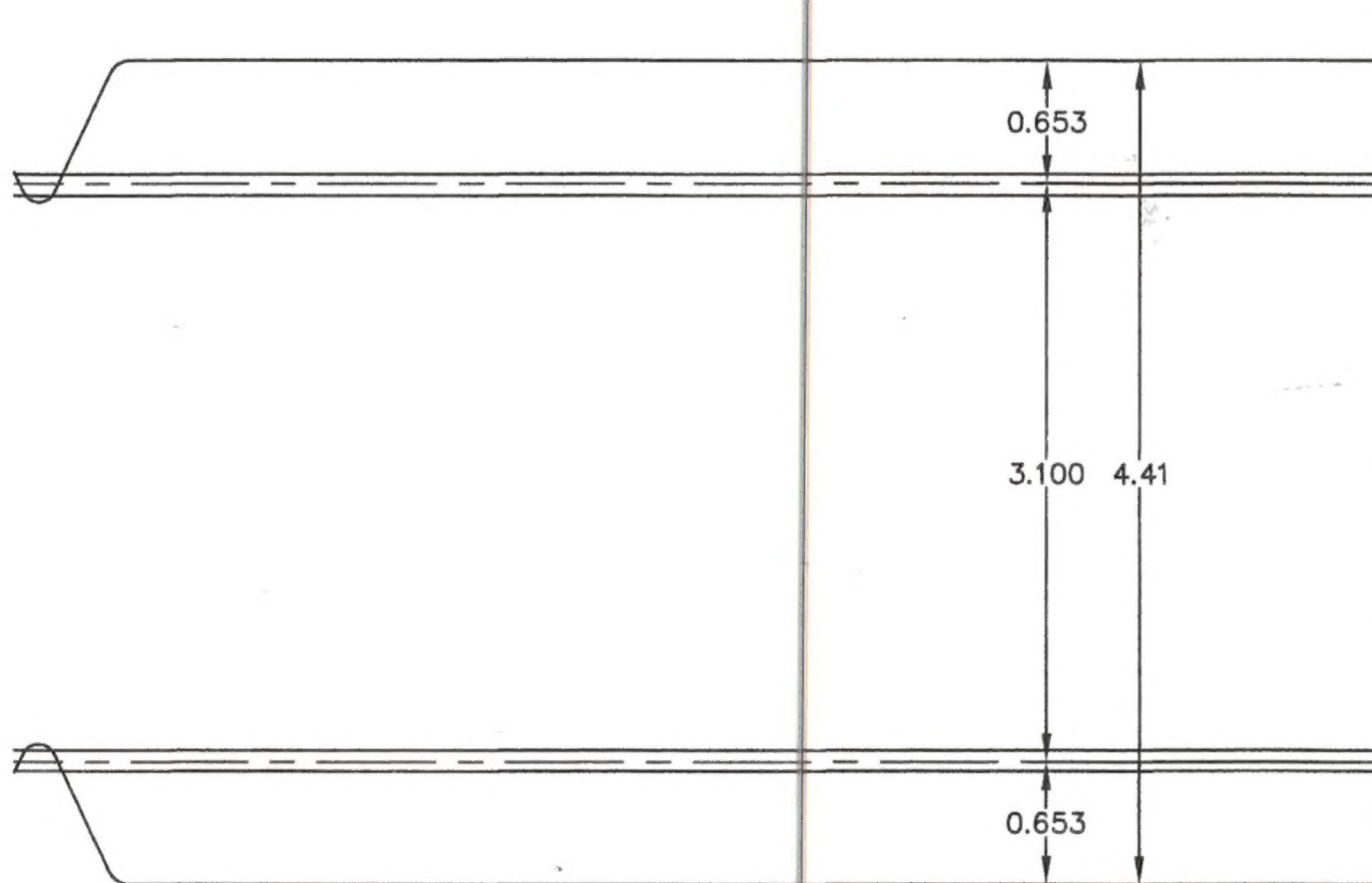
WO# 2017-191

[illegible]

WO# 2017-191

Rev. Original 27 May 2013

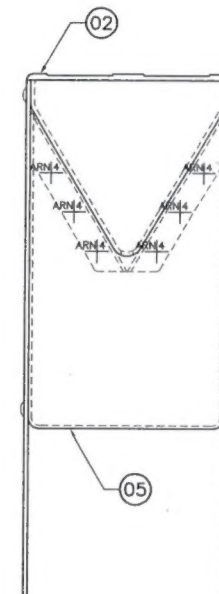
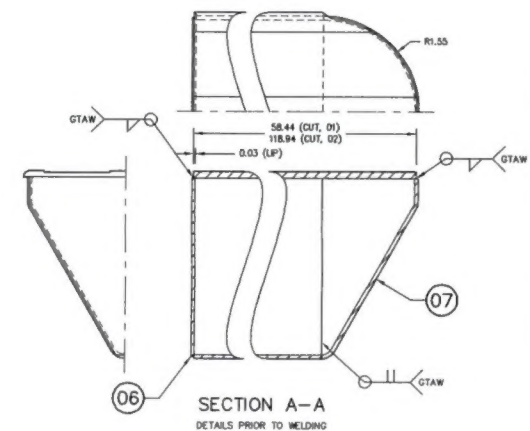
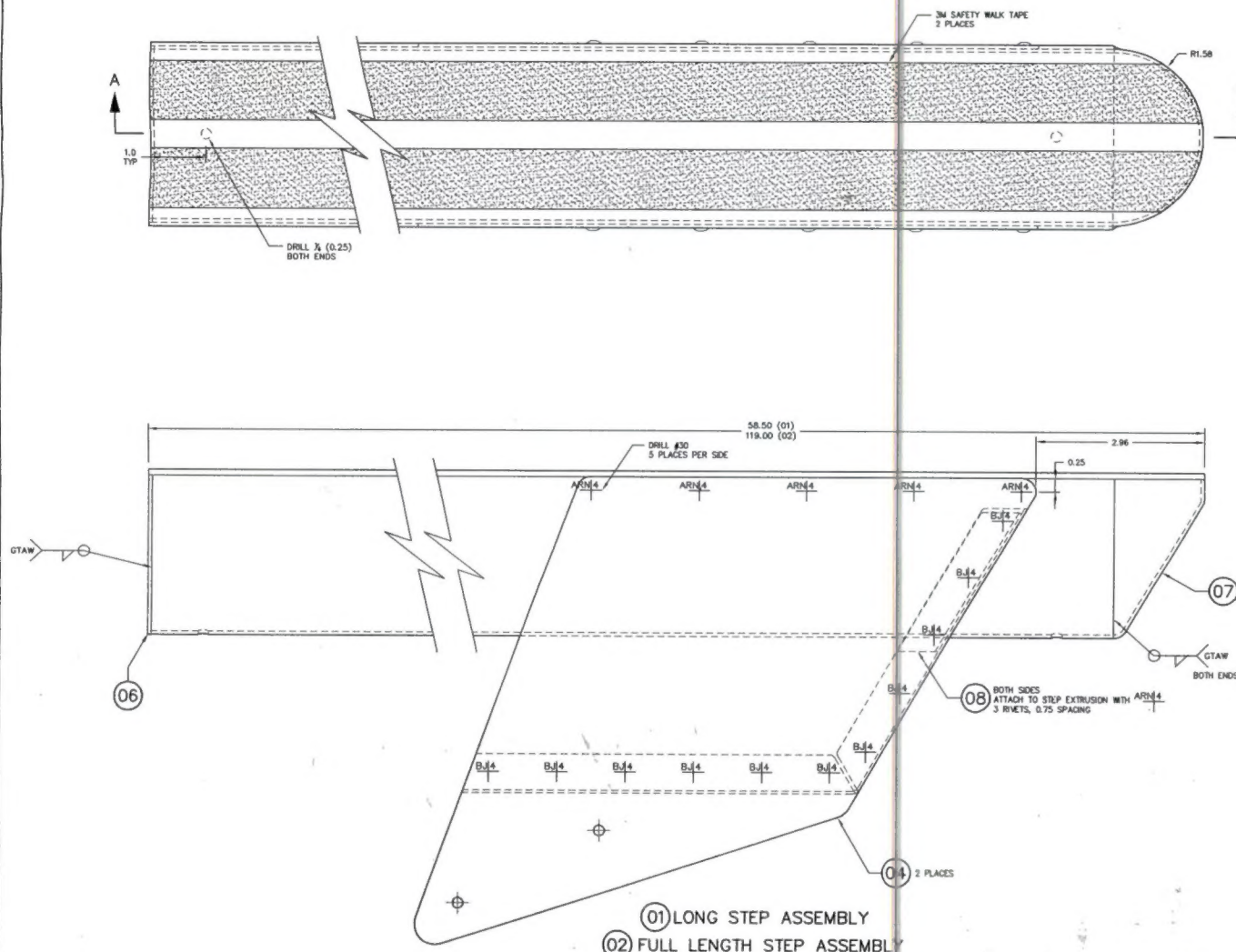
- place jig on step. Be sure to have step tight against tip of step
- clamp jig into place using 2 large C clamps.
- Be sure jig has not moved from desired position
- Drill #40 holes on both sides use clecos
- using a #30 bit drill + cleco the bracket holes
- Remove Jig
- Deburr #30 holes in step and tabs
- using CR3213-4-02 Rivets, rivet tabs on, be sure tabs are in correct position
- place step bracket on step, cleco using #40 ~~drill~~ holes
- Drill up #40 to #30, cleco as you go.
- using #40, drill out tab holes, upside to #30.
- Remove, deburr.
- replace + cleco bracket on step.
- rivet using CR3213-4-02. Using proper rivet methods.
- Time for build, 20-23 mins.



2014-27 2017-10

2017-191

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	TITLE BLOCK UPDATED; HARDWARE UPDATED; ALTERNATE FINISH; END DETAILS	BJC	29/07/2014



NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
 2. WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS2685C. WELDING ROD SHALL CONFORM TO AWS/AWS ER4043.
 3. THOROUGHLY DEGREASE, ALODINE, AND PRIME ALL ALUMINUM PARTS PRIOR TO ASSEMBLY. PAINT AFTER ASSEMBLY. APPLY SAFETY-WALK TAPE AFTER PAINTING.
- ALTERNATE: THOROUGHLY DEGREASE AND POWDER COAT ALL ALUMINUM PARTS AFTER ASSEMBLY. APPLY SAFETY-WALK TAPE AFTER POWDER COATING.

A/R/A/R	HR3213-4-02	HUM-MAX RIVET (ALTERNATE)
A/R/A/R	CR3213-4-02	CHRYMAX RIVET
A/R/A/R	MS20470AD4-5	RIVET
2	2	82717-09 09 3M SAFETY-WALK TAPE (1" WIDE)
2	2	82734-05 08 ANGLE
1	1	82734-04 07 C/P
1	1	82734-03 06 C/P
1	1	82734-02 05 CHANNEL
2	2	82734-01 04 SHEET
A/R/A/R	76240	03 STEP EXTRUSION
1	1	82717-02 02 FULL LENGTH STEP ASSEMBLY
1	1	82717-01 01 LONG STEP ASSEMBLY
A/R/A/R	ITEM	DESCRIPTION
02 01	PART NO.	DESCRIPTION
QTY	QTY	LIST OF MATERIALS

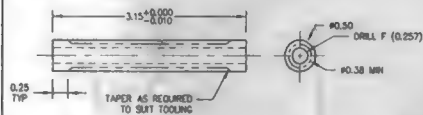
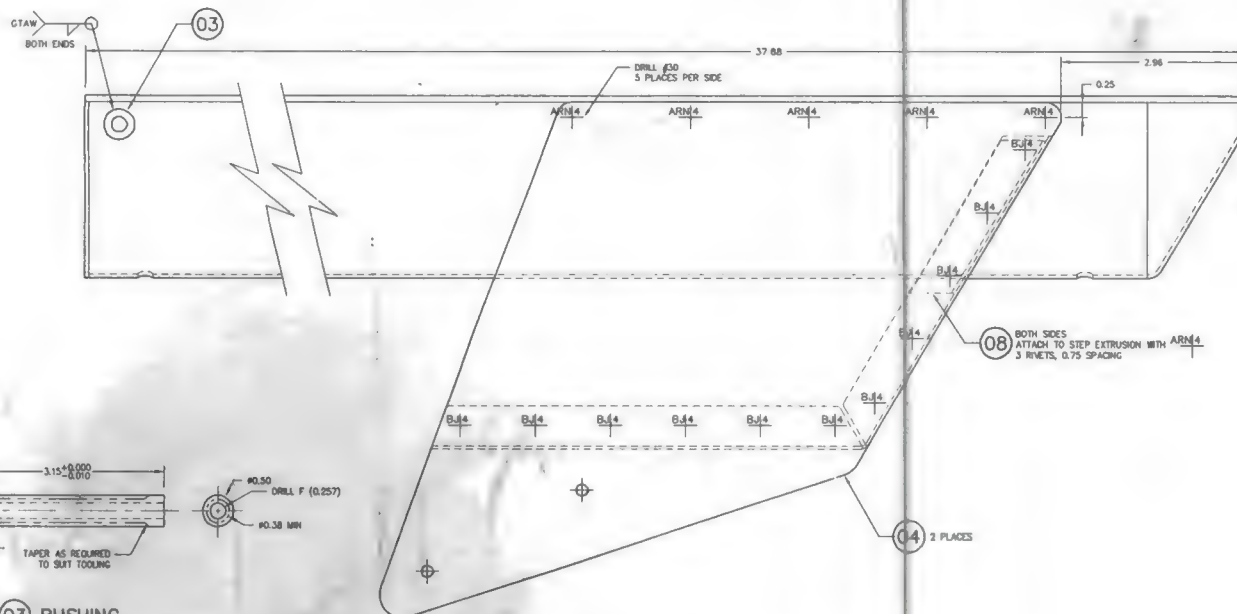
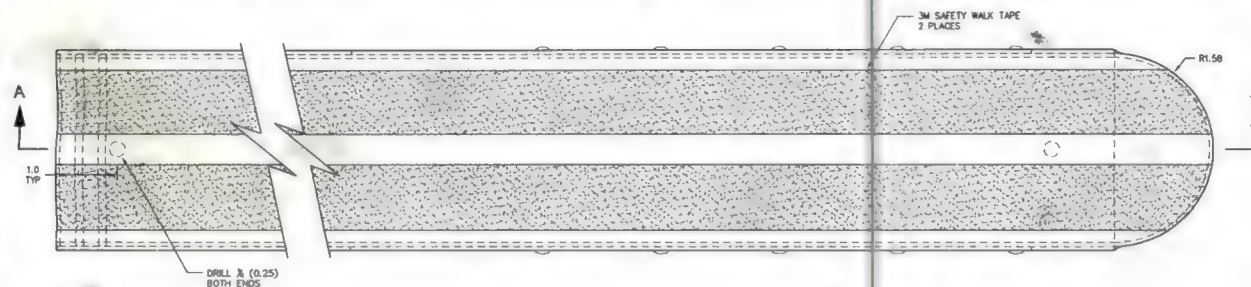
BASIC CODE REF. HAS 523	DASH NO. FOR DIAMETER N=MFD. HEAD NEAR SIDE F=MFD. HEAD FAR SIDE
C=COUNTERSINK D=DIMPLE DIGIT# OF SHEETS TO BE DIMPLED	DASH NO. FOR LENGTH
BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ARN=CR3212	+ INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET

APPROVALS	DATE
DRAWN: JEFF CLARKE	23 APR 2010
CHECKED: E. BURCOIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 X.XX ±0.03 X.X ±0.1	

 AERO DESIGN LTD. 6880A MALASPINA ROAD POWELL RIVER, BC, CANADA, V0A 0G3 TEL: 804.485.3276 www.aerodesign.ca		EUROCOPTER AS350 & AS355 SERIES FIXED CABIN STEP LONG CABIN STEP ASSEMBLY	
		SCALE 1:1	REV. 1
SHEET 1 OF 1	A1	82717	1

207-191

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THE DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REVIEW, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.			
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	STEP SHORTENED TO ACCOMMODATE LARGER BASKET	BJC	APR 27/12
2	TITLE BLOCK UPDATED; HARDWARE UPDATED; ALTERNATE FINISH; END DETAILS	BJC	28/07/2014



03 BUSHING

OPTIONAL: PART MAY BE TURNED DOWN IN MIDDLE AS INDICATED

01 STEP ASSEMBLY

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
 2. WELDING OF 6061 ALUMINUM TO BE COMPLETED BY GTAW METHOD TO AMS2688C. WELDING ROD SHALL CONFORM TO AWS/AWS ER4043.
 3. THOROUGHLY DEGREASE, ALODINE, AND PRIME ALL ALUMINUM PARTS PRIOR TO ASSEMBLY. PAINT AFTER ASSEMBLY. APPLY SAFETY-WALK TAPE AFTER PAINTING.
- ALTERNATE: THOROUGHLY DEGREASE AND POWDER COAT ALL ALUMINUM PARTS AFTER ASSEMBLY. APPLY SAFETY-WALK TAPE AFTER POWDER COATING.

A/R	HR3213-4-02	MILGMAX RIVET (ALTERNATE)	
A/R	CP3213-4-02	PHENYMAX RIVET	
A/R	MS20470AD4-5	RIVET	
2	82715-09	09 3M SAFETY-WALK TAPE (1" WIDE)	
2	82734-05	05 ANGLE	
1	82734-04	04 CORNER	
1	82734-03	03 CHANNEL	
1	82734-01	01 SHEET	
1	82715-03	03 BUSHING	
A/R	78240	02 STEP EXTRUSION	
A/R	82715-01	01 STEP ASSEMBLY	
QTY	PART NO.	ITEM	DESCRIPTION
LIST OF MATERIALS			

BASIC CODE	DASH NO. FOR DIAMETER	APPROVALS	DATE
REF. HAS 503	(N=MTD. HEAD NEAR SIDE F=MTD. HEAD FAR SIDE)	DRAWN: JEFF CLARKE	16 MAR 2010
C=COUNTERSUNK D=DIMPLE DIST=4 OF SHEETS TO BE DIMPLED	DASH NO. FOR LENGTH	CHECKED: E. BURGIN	
BASIC CODES:		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
BJ = MS20470AD		DECIMALS	ANGLES
BB = MS20426AD		X.XXX ±0.010	±1/2°
ARM = CR3213		X.XX ±0.03	
ARM = CR3212		X.X ±0.1	

APPROVALS	DATE
DRAWN: JEFF CLARKE	16 MAR 2010
CHECKED: E. BURGIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

AERO DESIGN LTD.			
9088A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604 482 8976 www.aerodesign.ca			
EUROCOPTER AS350 & AS355 SERIES FIXED CABIN STEP SHORT STEP ASSEMBLY			
SCALE 1:1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A1	82715	2

Rotor - lift 22 May 2018

Description: AS350 Long Step Fabrication

WO# 2017-191

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0453	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
1.	Short Step Assembly	82715-01	2	N/A	New	
2.	Bracket	82733-01	2			
3.	Bushing	82733-02	2			
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.				<input type="checkbox"/> Other regulation specified in block 12		
<input type="checkbox"/> Non approved design data specified in block 12.				Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations .		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 04 Dec 2017		14d. Name		14e. Date (dd/mm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

CUSTOM HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Short step No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 82715-01 Serial/Batch No.: N.A

TTSN: NA TSO: NA Rem.: NA

Work Order No.: ~~2016-110~~ 2017-191 GE.

Remaining Tasks to be Performed: Powder Coat

Signature: [Signature]

Date: 29 November 2017 Lic. No. / SCA ASD1

In Process

WO# 2017-191

Rev. Original 27 May 2013



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Start step

No. of pieces: 1

Manufacturer: Aero Design Ltd

Part No.: 82715-01

Serial/Batch No.: NA

TTSN: NA

TSO: NA

Rem.: NA

Work Order No.: 2016-110 2017-191 GE.

Remaining Tasks to be Performed: Powder Coat

Signature: [Signature]

Date: 29 Nov 2017

Lic. No. / SCA AD01

In Process



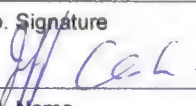
CUSTOM HELICOPTERS
04 DEC 2017

WO# 2017-191

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0463	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
1.	Short Step Assembly	82715-01	1	N/A	New	
2.	Bracket	82733-01	1			
3.	Bushing	82733-02	1			
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 08 Dec 2017		14d. Name		14e. Date (dd/mm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

Helisul

Aero Design

Parts Distribution Sheet

Description: AS350 Short Step Assembly

WO# 2017-191

[illegible]



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP No. of pieces: 1

Manufacturer: AERO DESIGN LTD

Part No.: 82715-01 Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-191

Remaining Tasks to be Performed: POWDER COAT. ASSEMBLY

Signature: [Signature]

Date: 05 DEC 2017

Lic. No. / SCA _____

In Process

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0464
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	1	N/A	New
2.	Bracket	82733-01	1		
3.	Bushing	82733-02	1		
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature <i>Jeff Clarke</i> AD 73-04 02	13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02	13e. Date (dd/mmm/yyyy) 08 Dec 2017		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

Microflight Australia



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 82715-01 Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-191

Remaining Tasks to be Performed: POWDER COAT, ASSEMBLY

Signature: [Signature]

Date: 05 DEC 2017 Lic. No. / SCA _____

In Process

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0484	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191	
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work	
1.	Short Step Assembly	82715-01	2	N/A	New	
2.	Bracket	82733-01	2			
3.	Bushing	82733-02	2			
12. Remarks Black						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature <i>Jeff Clarke</i>		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 19 Dec 2017		14d. Name		14e. Date (dd/mmm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

SOLO HELICOPTERS

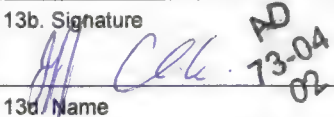


WO# 2017-191

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0006
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	1	N/A	New
2.	Bracket	82733-01	1		
3.	Bushing	82733-02	1		
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 06 Jan 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

VS HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP ASSEMBLY No. of pieces: 1

Manufacturer: AERO DESIGN LTD

Part No.: 82715-01 Serial/Batch No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2017-191

Remaining Tasks to be Performed: GRIP TAPE INSTALLATION

Signature: JH Ceh.

Date: 05 JAN 2017 Lic. No. / SCA AD02

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2312 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP BRACKET No. of pieces: 1

Manufacturer: AERO DESIGN LTD

Part No.: 82733 01 Serial/Batch No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2416 110

Remaining Tasks to be Performed: NONE

Signature: [Signature]

Date: 05 JAN 2017 Lic. No. / SCA ADD2


Serviceable



WO# 2017-191

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0015	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191	
6. Item 1.	7. Description Long Step Assembly	8. Part Number 82717-01	9. Qty. 1	10. Serial/Batch No. N/A	11. Status/Work New	
12. Remarks Black						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke – AD02		13e. Date (dd/mm/yyyy) 17 Jan 2018		14d. Name		14e. Date (dd/mm/yyyy)
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

WILDERNESS HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC

V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

82723-01

Aircraft:

Eurocopter

Model: AS350/355

Description:

Long Step Bracket

Supplier:

N/A

Color:

~~White~~ Black *fl.*

WO#:

2017-120


PO# N/A

A

Description: AS350 Long Step

WO# 2017-191

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0021
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	1	N/A	New
2.	Bracket	82733-01	1		
3.	Bushing	82733-02	1		
12. Remarks Black					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 19 Jan 2018		14c. Approved Organization Number	
14d. Name		14e. Date (dd/mm/yyyy)		14f. Date (dd/mm/yyyy)	
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

SILVER KING Helicopters



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 82715-01 Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-191

Remaining Tasks to be Performed: POWDER COAT, ASSEMBLY

Signature: [Signature]

Date: 05 DEC 2017 Lic. No. / SCA _____


In Process

19 JAN 2018



WO# 2017-191

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0036
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	1	N/A	New
2.	Bracket	82733-01	1		
3.	Bushing	82733-02	1		
12. Remarks Black					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 08 Feb 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities					
<p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

COASTAL HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP BRACKET No. of pieces: 1

Manufacturer: AERO DESIGN LTD

Part No.: 82733-01 Serial/Batch No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2016-110

Remaining Tasks to be Performed: NONE

Signature: [Signature]

Date: 05 JAN 2017 Lic. No. / SCA A022

Serviceable

08 Feb 2018



WO# 2017-191

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0040
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	1	N/A	New
2.	Bracket	82733-01	1		
3.	Bushing	82733-02	1		
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12		
<input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 07 Mar 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

Access HELICOPTERS



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SHORT STEP No. of pieces: 1

Manufacturer: AERO DESIGN LTD

Part No.: 20715-01 Serial/Batch No.: NSN

TTSN: NP TSO: N/A Rem.: N/A

Work Order No.: 2071-191

Remaining Tasks to be Performed: NONE

Signature: [Signature]

Date: 07 MAR 2015 Lic. No. / SCA AD02

Serviceable



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: BRACKET No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 82733-01 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-110

Remaining Tasks to be Performed: NONE

Signature: JH/CEL

Date: 16 AUG 2017 Lic. No. / SCA A002

Aero Design

Parts Distribution Sheet

Access Heli
07 MAR 2018

Description: AS350 Short Step Assembly

WO# 2017-191

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0044
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-191
6. Item 1.	7. Description Long Step Assembly	8. Part Number 82717-01	9. Qty. 1	10. Serial/Batch No. N/A	11. Status/Work New
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke – AD02		13e. Date (dd/mmm/yyyy) 19 Mar 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

BR PINEAD HELI



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

82723-01

Aircraft:

Eurocopter

Description:

Long Step Bracket

Model: AS350/355

Supplier:

N/A

Color:

White

WO#:

2017-120

PO# N/A

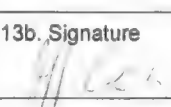
19 MAR 2018



Description: AS350 Long Step

WO# 2017-191

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0085
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice None
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	2	WO 2017-191	New
2.	Bracket	82733-01	2	WO 2018-24	
3.	Bushing	82733-02	2	WO 2017-33	
12. Remarks Certification data: TCCA STC SH09-38; EASA STC 10060496					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 01 May 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

HELI TECHNIA

01 MAY 2018



Rev. Original 27 May 2013



HEL TENIA
01 MAY 2015

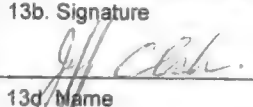
Description: AS350 Short Step Assembly

WO# 2017-191

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0119
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice None
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	2	WO 2017-191	New
2.	Bracket	82733-01	2	WO 2018-24	
3.	Bushing	82733-02	2	WO 2017-33	
12. Remarks Certification data: TCCA STC SH09-38					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 24 May 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

KOOTENAY VALLEY HELI

24 MAY 2018



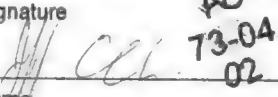
WO# 2017-191

Rev. Original 27 May 2013

A

WO# 2017-191

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0126	
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice PO 56147	
6. Item 1.	7. Description Long Step Assembly	8. Part Number 82717-01	9. Qty. 2	10. Serial/Batch No. 2017-191	11. Status/Work New	
12. Remarks Certification data: TCCA STC SH09-38; FAA STC SR02770NY						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature		14c. Approved Organization Number
13d. Name Jeff Clarke – AD02		13e. Date (dd/mmm/yyyy) 29 May 2018		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;">Installer Responsibilities</p> <p>This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

ROTOR - LIFT



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: LONG STEP No. of pieces: 1

Manufacturer: Aero Design

Part No.: 82717-01 Serial/Batch No.: _____

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-191

Remaining Tasks to be Performed: Inspect, Powder Coat

✓ ✓

Signature: Julian Francis

Date: 22 May 2018 Lic. No. / SCA AD08

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Powder Po 18037

Remarks



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

82723-01

Aircraft:

Eurocopter

Description:

Long Step Bracket

Model: AS350/355

Supplier:

N/A

Color:

White

WO#:

2017-120

PO# N/A

WO# 2017-191

Rev. Original 27 May 2013



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: LONG STEP No. of pieces: 1

Manufacturer: Aero Design

Part No.: 82717-01 Serial/Batch No.: _____

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-191

Remaining Tasks to be Performed: Inspect, Powder Coat

Signature: Julian Francis

Date: 22 May 2018 Lic. No. / SCA ADO8

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

POWDER PO 18037



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

82723-01

Aircraft:

Eurocopter

Model: AS350/355

Description:

Long Step Bracket

Supplier:

N/A

Color:

White

WO#:

2017-120

PO# N/A

29 MAY 2015



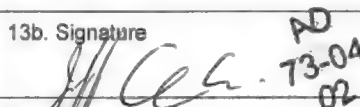
Aero Design

Parts Distribution Sheet

Description: AS350 Long Step

WO# _____

[illegible]

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0144
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice None
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	2	WO 2017-191	New
2.	Bracket	82733-01	2	WO 2018-24	
3.	Bushing	82733-02	2	WO 2017-33	
12. Remarks Certification data: TCCA STC SH09-38 Custom White					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 13 June 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

GRIZZLY HELICOPTERS

13 JUNE 2018



WO# 2017-19/

Rev. Original 27 May 2013

13 JUNE 2018



WO# 2017-191

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2018-0160
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice PO 21878
6. Item	7. Description	8. Part Number	9. Qty.	10. Serial/Batch No.	11. Status/Work
1.	Short Step Assembly	82715-01	1	WO 2017-191	New
2.	Bracket	82733-01	1	WO 2018-24	
3.	Bushing	82733-02	1	WO 2017-33	
12. Remarks Certification data: TCCA STC SH09-38					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 26 June 2018		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

Ascent Helicopters

82733-01

2018-24

26 JUNE 2018



WO# 2017-191

Rev. Original 27 May 2013

Aero Design Ltd.**Work Order Control Sheet**Work Order#: **2017-190** Date Opened: **8 November 2017** Title: **Assembly**Aircraft OEM: **Eurocopter** Aircraft Model: **AS350/355** Product Type: **Cargo Basket** Product Model: **Long** Quantity: **1****Work Order Contents**

Work Order/Build Sheets (Procedures Provided)
Additional Work Sheets (Standard Practice)
Drawings (See List Below)
Parts Distribution Sheet
Sub Component Tags
Completed Certification
Time Sheet (R&D)
Notes

Initial or N/A

CB/JC
N/A
CB/JC
CB/JC
CB/JC
CB/JC
N/A
N/A

Build Sheet Contents

Tasks Initialled
Dual Inspections Initialled

Initial or N/A

CB/JC
CB/JC

Drawing List

Drawing #	Rev #	Description	Initial or N/A
78410	2	Basket Assembly	CB/JC
70405	4	Lid Walkway	CB/JC
84255	2	Handle Installation	CB/JC
84240	0	Lid Prop Installation	CB/JC

Traveller

Install walkway on lid
Install lid on basket body
Re-tap mounting lug holes and install mount lugs
Install handle brackets
Install handle
Install lid prop
Install data plate

Initial or N/A

CB/JR
CB/JR
CB/JR
CB/JR
CB/JR
CB/JR
CB/JR

Work performed by:

Print: C. Brander/J. RekveSign: 

SCA: AD01

Date: 8 Nov. 2017

ICC / Dual Inspection performed by:

Print: J. ClarkeSign: 

SCA: AD02

Date: 10 Nov. 2017

Work Order closed by:

Print: C. Brander/J. ClarkeSign: 

SCA: AD02

Date: 10 Nov. 2017

Approved Manufacturing Facility 73-04

Form 20.D.03

Rev. Original 23 Sep 2014

Component Completion

Quantity Complete on This Work Order
Quantity Incomplete on This Work Order
Further Processing Required Before Release
Release to Stock as Components

As Instructed

1
N/A
N/A
N/A

Certification

Form One Completed
Serviceable (Green) Tag Completed
In Process (Yellow) Tag Completed
Unserviceable (Red) Tag Completed
Parts Placed in Stores for Distribution

Initial or N/A

JC
N/A
N/A
N/A
N/A

Additional Documentation

Documentation of a minor change
Non-Conformance Report Required
Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

Billing

Local (Aero Design)
Research and Development
Third Party

Initial or N/A

JC
N/A
N/A



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 Long Lid No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78412-01 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-146-03

Remaining Tasks to be Performed: Clean up, Inspect,
Powder coat.

Signature: [Signature]

Date: Oct 19/2017 Lic. No. / SCA AD 73-04 05

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: AS350 Long Body No. of pieces: 1

Manufacturer: Aero Design Ltd.

Part No.: 78411-01 Serial/Batch No.: NA

TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2017-146-02

Remaining Tasks to be Performed: Clean up, Inspect,
Powder coat.

Signature: [Signature]

Date: Oct 16/2017 Lic. No. / SCA [Stamp]

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Handle (ASSIST) No. of pieces: 1

Manufacturer: Aero Design

Part No.: 84261-01 Serial/Batch No.: N/A

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-177

Remaining Tasks to be Performed: none

Signature: [Signature] [Signature]

Date: 02 Nov 2017 Lic. No. / SCA A002



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:	1	
PN:	Tread Plate	
Aircraft:	All	Model: N/A
Description:	Lid Walkway Checker Plate	
Supplier:	Ryerson	
Color:	Aluminum	
WO#:	N/A	PO# 17081



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

MS20001P4-9600

Aircraft:

All

Model: All

Description:

Hinge

Supplier:

GKN Aerospace Bandy Machining

Color:

N/A

WO#:

N/A

PO# 17017

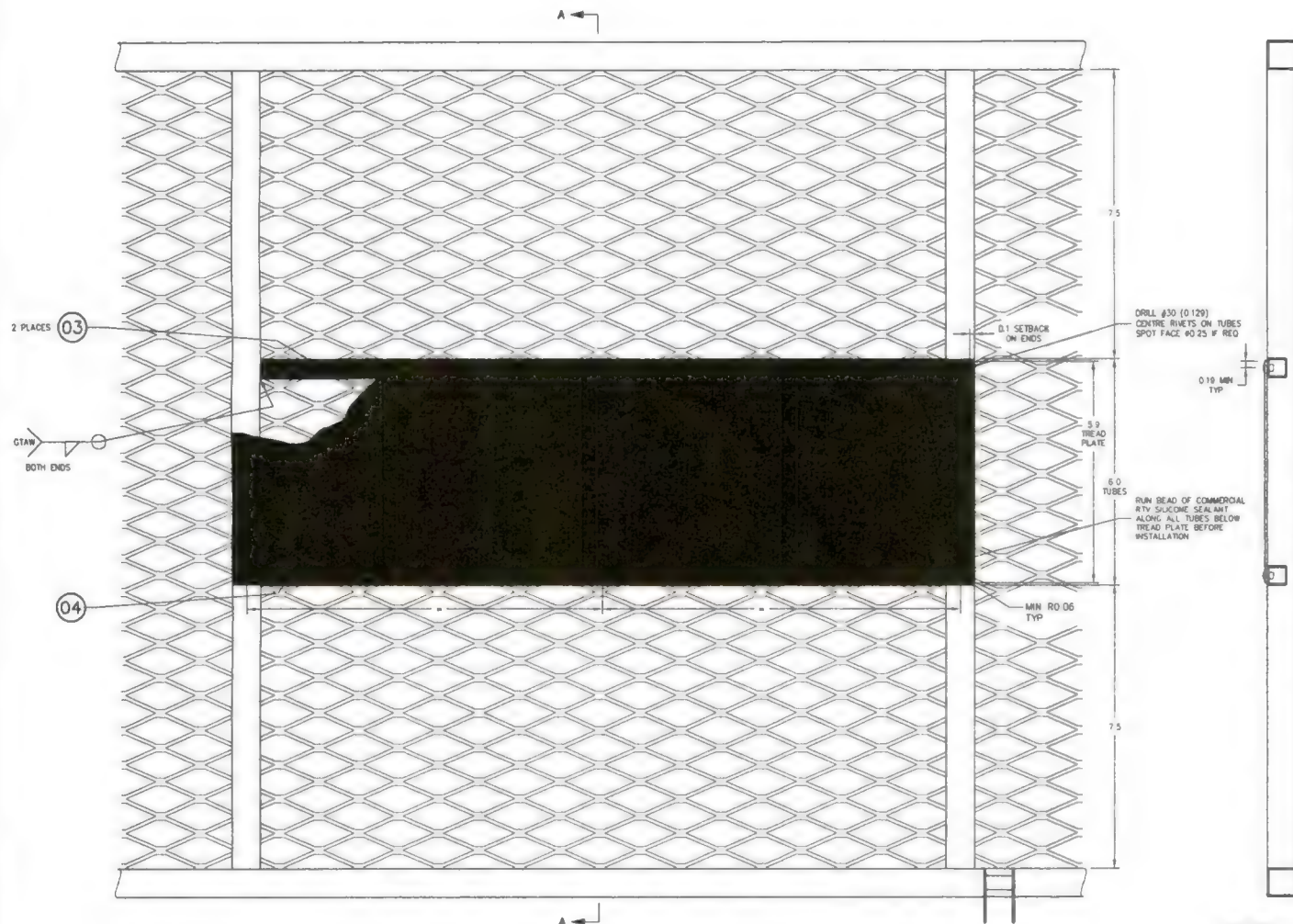


WO# 2017-190

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013

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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
1	ADD BELL MEDIUM AND EUROCOPTER AS350 BASKETS, CHANGE TUBES	BUC	MAR 19/08
2	ADD EUROCOPTER EC135, MCCONNELL DOUGLAS MD500N, BELL 206B BASKETS	BUC	DEC 4/08
3	ADD NEW AS350 AND 206/407 MODELS	BUC	DEC 4/08
4	TITLE BLOCK UPDATED, MODEL LIST REMOVED, ADD ALT RIVET, ADD NOTE 7	BUC	28/05/2014



01 BASKET LID ASSEMBLY

SECTION A-A

- NOTES:
- THIS DRAWING IS AN OPTIONAL CONFIGURATION ADDING A TREAD PLATE STEP TO THE LID. THIS CONFIGURATION MAY BE APPLIED TO ANY OR ALL BAYS OF THE LID. REMAINDER OF LID ASSEMBLY IS TO BE FABRICATED IN ACCORDANCE WITH THE APPLICABLE DRAWINGS.
 - TUBES (ITEM 03) MUST BE WELDED IN PLACE BEFORE MESH IS WELDED ON BOTTOM.
 - REMOVE ALL BURRS AND BREAK SHARP EDGES.
 - WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AWS 2885C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
 - WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
 - THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY. INSTALL TREAD PLATE AFTER POWDER COATING.
 - WIDTH AND POSITION OF LID STEP MAY BE ADJUSTED TO MATCH LID DOOR INSTALLED IN ACCORDANCE WITH DRAWING 70402 ON ADJOINING BAY OF THE LID.

A/R	CR3213-4-02	BLIND RIVET	ALTERNATE	HR3213-4-02		
1	70405-04	04 TREAD PLATE	ALUMINUM	COMMERCIAL	0.063 TREAD PLATE	
2	70405-03	03 TUBE	4130 STEEL COND N	MIL-T-6735	0.5 X 0.035 WALL TUBE	
1	SEE NOTE 1	02 BASKET LID ASSEMBLY				
	70405-01	01 BASKET LID ASSEMBLY - MODIFIED WITH STEP				
D1	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					

BASIC CODE REF HAS 523 C=COUNTERSUNK D=DIMPLE DIGIT # OF SHEETS TO BE DIMPLED B1 = M520470AD BB = M520426AD ARM = CR3213 ARM = CR3212		DASH NO FOR DIAMETER N=MFD HEAD HEAR SIDE F=MFD HEAD FAR SIDE DASH NO FOR LENGTH + INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET		APPROVALS DRAWN: JEFF CLARKE 21 SEPT 2008 CHECKED: E BURGOIN UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS ANGLES X XXX ±0.010 ±1/2° X XX ±0.03 X X ±0.1		DATE 21 SEPT 2008 SCALE 1 : 1 SHEET 1 OF 1		AERO DESIGN LTD. 888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604 480.2376 www.aerodesign.ca CARGO BASKET LID STEP MODIFICATION	
A1		70405		4					

Work Order: 2017-190
 Date Opened: 8 Nov. 2017

Material Tracking Sheet
 Eurocopter AS350 / AS355
 Long Basket Assembly

1 of 2

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
	<u>1</u>		78410-01	Cargo Basket Assembly	<u>S/N 78401-71</u>	
Step 1				<i>Lid Assembly</i>		
	. 1		78412-01	Basket Lid Assembly		<u>2017-146-03</u>
Step 1.a.	.. 4		49205-14	Bumper	Argus Industries Bumper	<u>See PDS</u>
	.. A/R		--	Sealant	Commercial Silicone RTV sealant	<u>N/A</u>
Step 1.b.	.. 1		78427-01	Placard	0.063 Sheet, 6061-T6 Aluminum	<u>2015-03</u>
	.. 4		CR3213-4-02	Cherry Rivet		<u>17070</u>
Step 1.c.	. 1		70405-01	Lid Step Modification		
(option)	.. 1		70405-04	Tread Plate	3003 Aluminum Tread Plate, 0.063"	<u>17081</u>
	.. A/R		CR3213-4-02	Cherry Rivet		<u>17070</u>
	.. A/R		--	Sealant	Commercial Silicone RTV sealant	<u>N/A</u>
Step 2				<i>Basket Assembly</i>		
Step 2.a.	. 1		78411-01	Basket Body Assembly		<u>2017-146-02</u>
	.. 4		96710-01	Fitting	Alternate: Ancra 40088-14	<u>See PDS</u>
	.. 8		NAS1149F0663P	Washer		<u>See PDS</u>
Step 3				<i>Hinge Installation</i>		
	. 1		MS20001P4	Piano Hinge	90"	<u>17017</u>
	. 8		CR3523-5-02	Cherry Rivet		<u>16063</u>
	. A/R		CR3213-5-02	Cherry Rivet		<u>16053</u>
Step 4	. 1		84255-01	<i>Handle Installation</i>		
Step 4.a.	.. 2		84267-01	Bracket	Delrin, 3/4" Sheet	<u>2017-50</u>
	.. 4		AN3-11A	Bolt		<u>See PDS</u>
	.. 8		NAS1149F0363P	Washer		<u>See PDS</u>
	.. 4		MS21044N3	Nut		<u>See PDS</u>

Work Order: _____

Material Tracking Sheet
Eurocopter AS350 / AS355
Long Basket Assembly

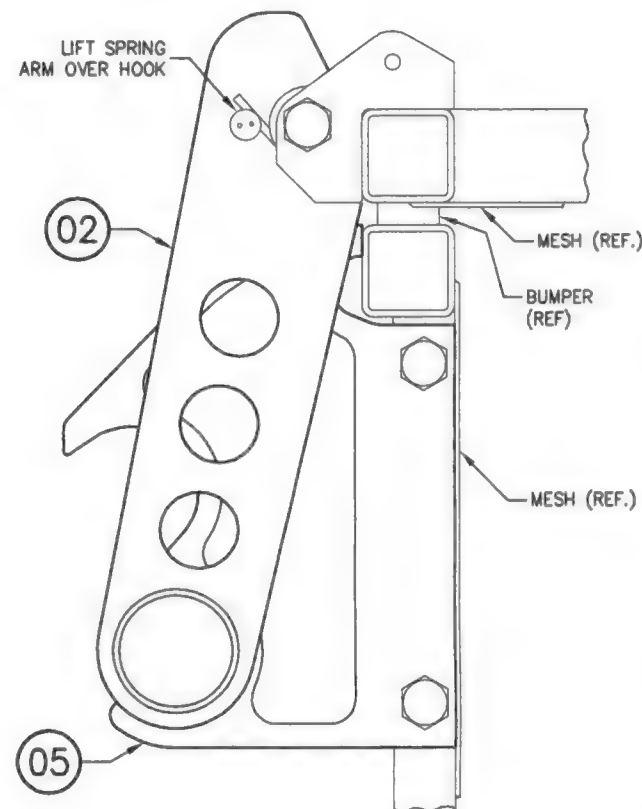
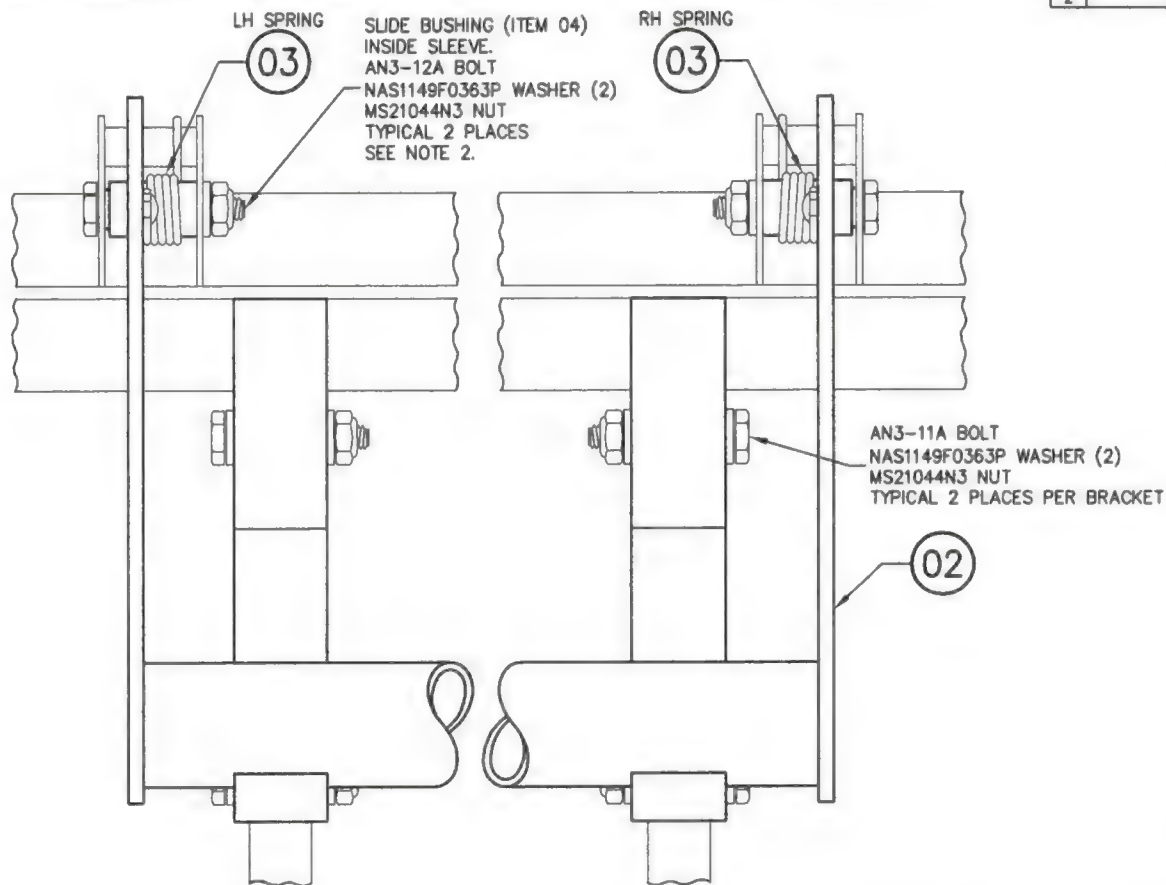
2 of 2

Date Opened: _____

Ass'y Step	Qty	Detail Drawing	Part Number	Description	Material	PO/WO
Step 4.b.	.. 1		84261-01	Handle Assembly		2017-177
	.. 2		36278-01	Spring (1 left, 1 right)	304 Stainless, 1/16" Dia Music Wire	See PDS
	.. 2		36275-01	Bushing	Brass, 5/16" Dia	See PDS
	.. 2		AN3-12A	Bolt		See PDS
	.. 4		NAS1149F0363P	Washer		See PDS
	.. 2		MS21044N3	Nut		See PDS
Step 5				Lid Brace Installation		
	. 1		36280-01	Brace Assembly		2017-170
	. 1		AN3-15A	Bolt		See PDS
	. 1		AN3-17A	Bolt		See PDS
	. 2		AN970-3	Washer		See PDS
	. 3		NAS1149F0363P	Washer		See PDS
	. 2		MS21044N3	Nut		See PDS
Step 6				Inspection	None	

NOTES:

1. THIS DRAWING IS AN ALTERNATE CONFIGURATION FOR THE HANDLE INSTALLATION SHOWN ON DRAWING 36255.
2. GREASE BUSHING (ITEM 04) USING MOBILGREASE 28 OR EQUIVALENT PRIOR TO INSTALLATION.



01 HANDLE INSTALLATION

A/R	MOBILGREASE 28		GREASE	MIL-PRF-81322F
4	AN3-11A		BOLT	
2	AN3-12A		BOLT	
10	NAS1149F0363P		WASHER	
6	MS21044N3		NUT	
2	84267-01	05	BRACKET	
2	36275-01	04	BUSHING	
2	36278-01	03	SPRING (1 LH, 1 RH)	
1	84261-01	02	HANDLE BAR ASSEMBLY	
	84255-01	01	HANDLE INSTALLATION	
01	PART NO.	ITEM	DESCRIPTION	MATERIAL
QTY.	LIST OF MATERIALS			

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE - CREATED FROM 36255	BJC	NOV 03/09
1	HANDLE END BRACKETS FLIPPED	BJC	SEPT 19/11
2	TITLE BLOCK UPDATED; ADD NOTE 2; HARDWARE UPDATED	BJC	MAR 13/14

APPROVALS	DATE
DRAWN: JEFF CLARKE	03 NOV 2009
CHECKED: E. BURGAIN	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1



AERO DESIGN LTD.

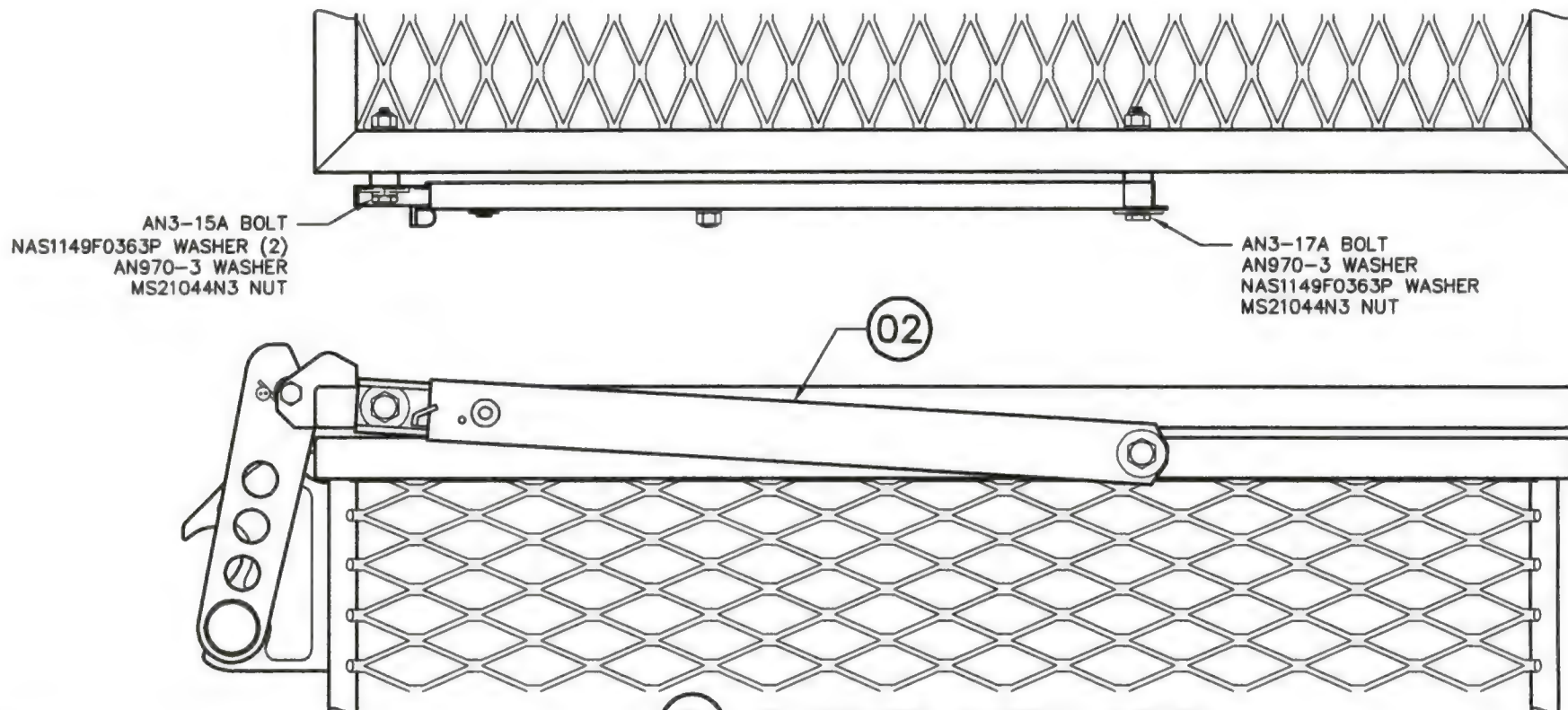
9888A MALASPINA ROAD
POWELL RIVER, BC, CANADA, V8A 0G3
TEL: 804.463.3376 www.aerodesign.ca

**HELICOPTER CARGO BASKET
HANDLE BAR INSTALLATION**

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A3	84255	2

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REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE	*	*



(01) LID BRACE INSTALLATION

NOTES

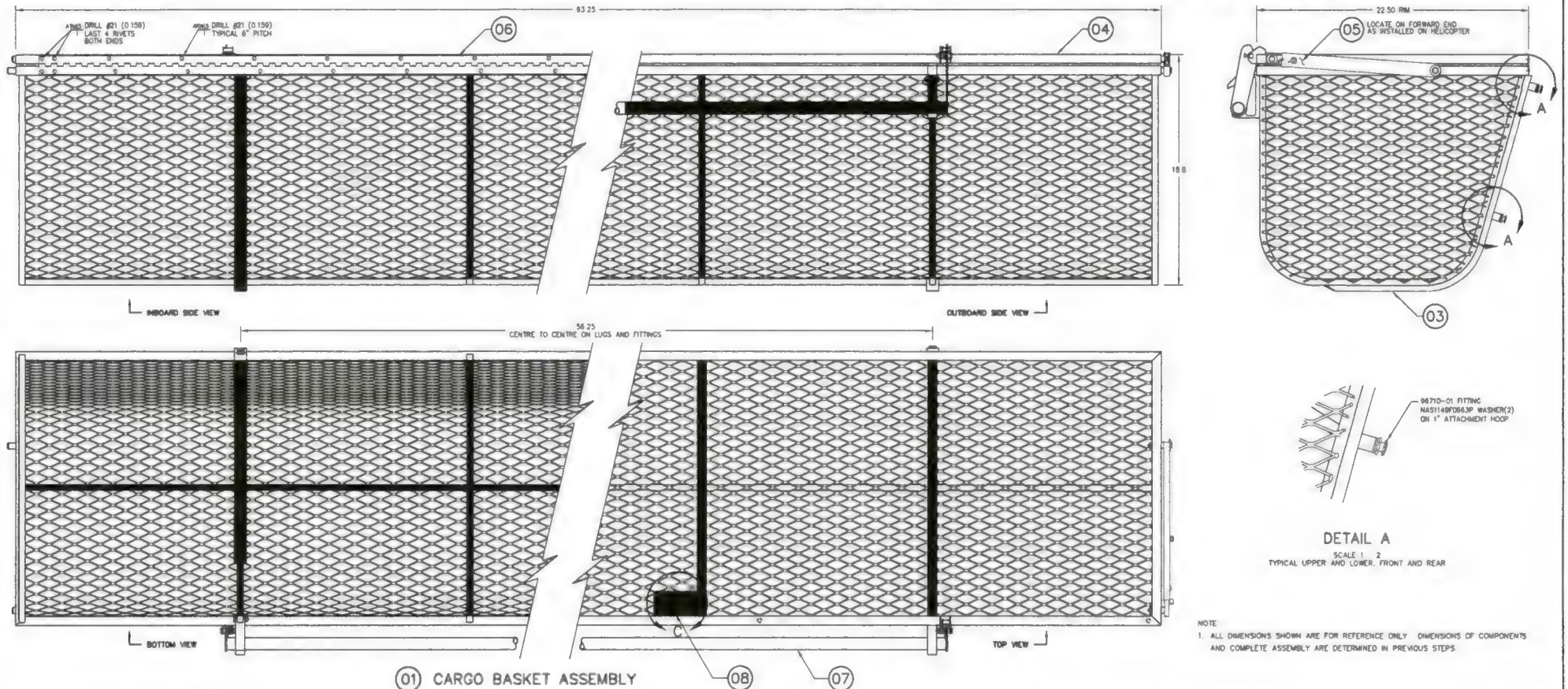
- THIS DRAWING APPLIES TO ALL AERO DESIGN LTD. CARGO BASKET ASSEMBLIES.
LID PROP IS TO BE INSTALLED ON THE FORWARD END OF THE BASKET AS INSTALLED ON THE HELICOPTER.

2	MS21044N3		NUT
3	NAS1149F0363P		WASHER
2	AN970-3		WASHER
1	AN3-17A		BOLT
1	AN3-15A		BOLT
1	36280-01	02	LID BRACE ASSEMBLY
	84240-01	01	LID BRACE INSTALLATION
01	PART NO.	ITEM	DESCRIPTION
QTY.	LIST OF MATERIALS		

APPROVALS	DATE
DRAWN: JEFF CLARKE	21 MAY 2014
CHECKED: JASON REKVE	21 MAY 2014
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ±0.010	±1/2°
X.XX ±0.03	
X.X ±0.1	

 AERO DESIGN LTD. 9686A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 604.483.2576 www.aerodesign.ca		HELICOPTER CARGO BASKET ALL MODELS LID BRACE INSTALLATION	
NOT TO SCALE	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	84240	0

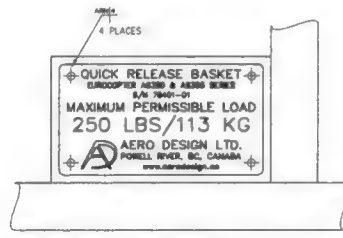
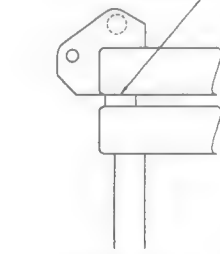
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REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	CHANGED HANDLE CONFIGURATION, REMOVED ALTERNATE BASKET	BJC	23/01/2010
2	UPDATE TITLE BLOCK, ADD ALTERNATE RIVETS, HARDWARE P/N'S UPDATED, HINGE LENGTH, CHANGE BRACE ASSEMBLY TO INSTALLATION	BJC	15/07/2014



NOTE:
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS SHEETS.

A/R	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
4	78410-01	01	CARGO BASKET ASSEMBLY			
4	78410-01	02	BASKET BODY ASSEMBLY			
4	78410-01	03	LID ASSEMBLY			
4	78410-01	04	LID BRACE INSTALLATION			
4	78410-01	05	HANDLE BAR INSTALLATION			
4	78410-01	06	PIANO HINGE			90.0 LONG
4	78410-01	07	WASHER			
4	78410-01	08	PLACARD			
4	78410-01	09	CHERRY RIVET			
4	78410-01	10	CHERRY RIVET			
4	78410-01	11	CHERRY RIVET			
4	78410-01	12	CHERRY RIVET			
4	78410-01	13	CHERRY RIVET			
4	78410-01	14	CHERRY RIVET			
4	78410-01	15	CHERRY RIVET			
4	78410-01	16	CHERRY RIVET			
4	78410-01	17	CHERRY RIVET			
4	78410-01	18	CHERRY RIVET			
4	78410-01	19	CHERRY RIVET			
4	78410-01	20	CHERRY RIVET			
4	78410-01	21	CHERRY RIVET			
4	78410-01	22	CHERRY RIVET			
4	78410-01	23	CHERRY RIVET			
4	78410-01	24	CHERRY RIVET			
4	78410-01	25	CHERRY RIVET			
4	78410-01	26	CHERRY RIVET			
4	78410-01	27	CHERRY RIVET			
4	78410-01	28	CHERRY RIVET			
4	78410-01	29	CHERRY RIVET			
4	78410-01	30	CHERRY RIVET			
4	78410-01	31	CHERRY RIVET			
4	78410-01	32	CHERRY RIVET			
4	78410-01	33	CHERRY RIVET			
4	78410-01	34	CHERRY RIVET			
4	78410-01	35	CHERRY RIVET			
4	78410-01	36	CHERRY RIVET			
4	78410-01	37	CHERRY RIVET			
4	78410-01	38	CHERRY RIVET			
4	78410-01	39	CHERRY RIVET			
4	78410-01	40	CHERRY RIVET			
4	78410-01	41	CHERRY RIVET			
4	78410-01	42	CHERRY RIVET			
4	78410-01	43	CHERRY RIVET			
4	78410-01	44	CHERRY RIVET			
4	78410-01	45	CHERRY RIVET			
4	78410-01	46	CHERRY RIVET			
4	78410-01	47	CHERRY RIVET			
4	78410-01	48	CHERRY RIVET			
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4	78410-01	68	CHERRY RIVET			
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4	78410-01	92	CHERRY RIVET			
4	78410-01	93	CHERRY RIVET			
4	78410-01	94	CHERRY RIVET			
4	78410-01	95	CHERRY RIVET			
4	78410-01	96	CHERRY RIVET			
4	78410-01	97	CHERRY RIVET			
4	78410-01	98	CHERRY RIVET			
4	78410-01	99	CHERRY RIVET			
4	78410-01	100	CHERRY RIVET			

FILL 1/4" HOLE WITH COMMERCIAL SILICONE SEALANT
INSERT BUMPER INTO HOLE
4 PLACES



BASIC CODE	DASH NO. FOR DIAMETER	APPROVALS	DATE
REF: HAS 333	N=MFD HEAD NEAR SIDE F=MFD HEAD FAR SIDE	Drawn: R RATHWELL	19 FEB 08
C=COUNTERSINK D=DIMPLE DIGIT # OF SHEETS TO BE OMPLED	DASH NO. FOR LENGTH	CHECKED: E BURCON	
BASIC CODES: B4=MS20470AD BB=MS20426AD BB=CR3213 ATN=CR3523	+ INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1	
AERO DESIGN LTD. 8888A MALASPINA ROAD POWELL RIVER, BC, CANADA, V8A 0G3 TEL: 250 480 3376 www.aerodesign.ca			
EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE SKI BASKET BASKET ASSEMBLY (LONG)			
SCALE 1 : 4	DWG SIZE	DWG NO	REV
SHEET 1 OF 1	A1	78410	2

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0420
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-190
6. Item 1.	7. Description Long Cargo Basket	8. Part Number 78410-01	9. Qty. 1	10. Serial/Batch No. 78401-71	11. Status/Work New
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 10 Nov 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

REGAVIATION (FRANCE)

CARGO BASKET ASSEMBLY - COMMON

Work Order: 2017-190

Date Open: 8 Nov. 2017

General

These instructions apply to all cargo basket assemblies. Refer to the following drawings, at the current revision, for dimensions and details. Drawings are linked to the source for ease of printing.

		Basket			Lid	Lid	Handle		
✓	Basket Type	Ass'y	Placard	Mat'l	Walk	Prop	Inst'n	Ass'y	Mat'l
Bell 206B – right side only									
	Short	80210	80227	Mat'l	70405	84240	84255	84261	Mat'l
	Medium	80310	80327	Mat'l					Mat'l
	Long	81110	81127	Mat'l					Mat'l
Bell 206L/407 – Right side only									
	Low Standard	69810	69827	Mat'l	70405	84240	84255	84261	Mat'l
	Low Wide	94510	94527	Mat'l					Mat'l
	Low Ski	94610	94627	Mat'l					Mat'l
	High Ski	76610	76625	Mat'l					Mat'l
Bell Medium – left or right									
	Standard	75110	75127	Mat'l	70405	84240	84255	84261	Mat'l
	Extra Large (ski)	95510	95527	Mat'l					Mat'l
	Mega	100610	100627	Mat'l					Mat'l
Bell 429 – right or left									
	Standard – Pre S/N 71	95910	95927	Mat'l	70405	84240	84255	84261	Mat'l
	Standard – Post S/N 71	95950	95927	Mat'l					Mat'l
Eurocopter AS350/AS355 – left or right									
	Short	77610	77627	Mat'l	70405	84240	84255	84261	Mat'l
	Medium	76410	76427	Mat'l					Mat'l
✓	Long	78410	78427	Mat'l					Mat'l
	Ski	94010	94027	Mat'l					Mat'l
Robinson R44 – left or right									
	Standard	90610	90627	Mat'l	70405	84240	84255	84261	Mat'l
MD600									
	Standard	82810	82827	Mat'l	70405	84240	84255	84261	Mat'l

Hyperlinking to specific excel sheet –

1. on desired excel sheet cell A1, set name of cell, eg. Assembly.
2. at end of hyperlink add #Assembly (filename.xls#Assembly).

1. Lid Assembly

a. Install lid bumpers on bottom.

- i. Drill $\frac{1}{4}$ " holes using center drill, 3 (standard/medium) or 4 (long/ski) places.
- ii. Fill bumper holes with RTV silicone sealant.
- iii. Insert 49205-14 lid bumper, 3 or 4 places per lid.

b. Install placard on bracket on top of lid

Note: 959 and 1006 placard is installed on body.

- i. Locate placard on bracket.
- ii. Drill #30 through placard and bracket, using holes in placard.
- iii. Remove placard and de-burr holes in placard and on bracket.
- iv. Locate placard on bracket, and cleco in place.
- v. Rivet placard with four CR3213-4-02 CherryMax rivets.

c. Option: Install walkway on top of lid (lid must be fitted with walkway provisions)

- i. Note: avoid touching surface of tread plate with bare hands to prevent smudges or marks on the top surface.
- ii. Pull tread plate from stock. Shear tread plate to length.
- iii. De-burr edges of tread plate with scotch-brite wheel on bench grinder.
- iv. Locate tread plate on lid. Hold tread plate in place with bags of lead shot.
- v. Mark and drill #30 holes:
 1. 0.25" from edge of tread plate, centre on cross members (0.38")
 2. 0.25" from edge of tread plate, middle of each walkway stringer
- vi. De-burr and counter-bore (if required to provide clearance of rivet head on checker pattern) all holes in tread plate using $\frac{1}{4}$ " piloted counter bore on both sides.
- vii. De-burr holes in lid tubes.
- viii. Apply bead of RTV silicone sealant along all tubes under tread plate.
- ix. Set tread plate in place, secure with clecos if necessary.
- x. Rivet placard with CR3213-4-02 CherryMax rivets

d. Record PO/WO of all parts (including lid) used in steps above on attached material tracking list.

2. Body Assembly

a. Install attachment fittings

- i. Carefully remove excess powder coat from around attachment lug threads using a countersink.
- ii. Run 3/8-24 tap into attachment lugs to clear threads.
- iii. Apply anti-seize compound to attachment fittings 96710-01 (alternate: Ancra 40088-14)
- iv. Install attachment fittings with two NAS1149F0363P washers in four lugs in basket.
 1. 90610 (Robinson R44) basket only:
 - a. Install 1 fitting 90628-01 in lower forward attachment lug only.
 - b. Install 3 96710-01 fittings in remaining locations.
- v. Torque to 160-190 in-lbs (13.3-15.8 ft-lbs).

- b. 959 and 1006 Baskets only: Install inboard sheet on upper rim of basket
 - i. Locate sheet on basket.
 - ii. Drill #30 through sheet and rim, located as specified on drawing. Cleco in place.
 - iii. Remove sheet and de-burr holes in sheet and rim.
 - iv. Apply bead of RTV silicone sealant along all tubes under sheet.
 - v. Locate sheet on basket, and cleco in place.
 - vi. Rivet sheet with CR3213-4-02 CherryMax rivets.
- c. 959 Basket only: Install forward sheet
 - i. Locate sheet on basket. Ensure sufficient clamps are in place.
 - ii. Drill #30 through sheet, rim and hoop, located as specified on drawing. Cleco in place.
 - iii. Remove sheet and de-burr holes in sheet and rim.
 - iv. Apply bead of Pro-Seal sealant along all tubes under sheet.
 - v. Locate sheet on basket, and cleco in place.
 - vi. Rivet sheet with CR3213-4-02 CherryMax rivets.
- d. Record PO/WO of all parts (including basket) used in steps above on attached material tracking list.



3. Hinge Installation

- a. Prepare hinge.
 - i. Cut hinge to length:
 - 1. 776, 906 – 54"
 - 2. 751, 803 – 70"
 - 3. 698, 764, 945 – 72"
 - 4. 766, 784 – 90"
 - 5. 940, 946, 959 – 95"
 - 6. 1006 – 107"
 - ii. Drill #30 pilot holes using hinge jig. For long hinges, flip at specified location on jig.
- b. Install hinge on basket
 - i. Locate hinge on basket (standard baskets)
 - 1. centre fore/aft
 - 2. 0.15" – 0.18" up from bottom edge
 - ii. Locate hinge on basket (extra wide baskets)
 - 1. centre fore/aft
 - 2. set hinge at 90 degrees (as if lid would be installed) using a small square, locate vertical side at 22.5" from outboard edge.
 - iii. Drill #30 through holes in hinge into basket rim. Cleco in place with 1/8 (copper) clecos.
 - iv. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 (black) clecos.
 - v. Remove hinge and de-burr holes in hinge and basket rim.
 - vi. Cleco hinge to basket with 5/32 clecos.
 - vii. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations

- c. Install lid on basket
 - i. Locate lid on hinge (all baskets)
 - 1. center fore/aft
 - 2. 0.15" – 0.18" down from top edge
 - ii. Drill #30 through holes in hinge into lid rim. Cleco in place with 1/8 clecos.
 - iii. Drill holes up to #21 through hinge and rim. Replace 1/8 clecos with 5/32 clecos.
 - iv. Remove hinge and de-burr holes in hinge and lid rim.
 - v. Cleco lid to hinge with 5/32 clecos.
 - vi. Install hinge with CherryMax rivets
 - 1. CR3523-5-02 monel rivets – last 2 rivets in each end
 - 2. CR3213-5-02 aluminum rivets – all other locations
- d. Record PO of hinge and rivets on attached material tracking list.

4. Install Handle

- a. Install handle brackets.
 - i. Set 84267-01 handle bracket on provisions in hoops, 2 places.
 - ii. Install AN3-11A bolt, NAS1149F0363P washer (2), MS21044N3 nut. Two places per bracket, two brackets per basket.
 - iii. Torque AN3 bolts to 20-25 in-lbs.
- b. Install handle
 - i. Trim 36278-01R and 36278-01L springs to ensure end of spring does not extend past edge of handle bracket, approximately 1/8". Set springs over bushing of 84261-01 handle assembly.
 - ii. Grease two 36275-01 bushings with Mobil Grease 28 or equivalent. Insert into bushings of handle assembly.
 - iii. Locate handle on basket lid. Insert AN3-12A bolt with NAS1149F0363P through bracket on lid and handle bushing on one end of handle.
 - iv. On other end of handle, hook spring over catch rivet on handle assembly and use spring tool to twist spring to catch arm on bracket on lid while inserting AN3-12A bolt with NAS1149F0363P washer through lid bracket and handle bushing.
 - v. At first end, remove bolt and repeat step iv.
 - vi. Install NAS1149F0363P washer and MS21044N3 nut on both AN3-12A bolts.
 - vii. Torque AN3 bolts to 20-25 in-lbs.
- c. Check handle
 - i. Operate handle to ensure handle does not bind and springs hold handle in.
 - ii. Snap handle into brackets to ensure handle locks.
- d. Record PO/WO of all parts used in steps above on attached material tracking list.

C3 OK

5. Install lid brace

- a. Locate 36280-01 lid brace on bushing in basket. Ensure brace is on forward end of basket as it will be installed on the helicopter.
- b. On lid end, insert AN970-3 washer into end of lid brace. Insert AN3-15A bolt with NAS1149F0363P washer through AN970-3 washer, lid prop, and lid bushing. Install NAS1149F0363P washer and MS21044N3 nut on bolt.
- c. On basket end, insert AN3-17A bolt with AN970-3 washer through lid prop and basket bushing. Install NAS1149F0363P washer and MS2144N3 nut on bolt.
- d. Ensure brace is seated on lip of bushings before tightening nuts.
- e. Torque AN3 bolts to 20-25 in-lbs.
- f. Record PO/WO of all parts used in steps above on attached material tracking list.

6. 946 Basket Only: Install Cutout Brace

N/A

- a. Locate 94621-01 Brace over aft cross tube cutout.
- b. Install two AN4-6A bolts and two AN4-27A bolts with NAS1149F0463P washers.
- c. Torque AN4 bolts to 50-70 in-lbs.

AD
73-04
02

7. Final Inspection

Dual inspection by a different person than assembled the basket.

- a. Check for general condition and correct assembly:
 - i. Bolts are tight
 - ii. Rivets are installed correctly
 - iii. Handle operates correctly
 - iv. Lid brace operates correctly
- b. Check that PO/WO numbers have been recorded.